

## **IN THE CLAIMS**

The text of all pending claims is set forth below. Cancelled and withdrawn claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented) or (not entered).

Please **AMEND** claims 1, 7-8 and 13-14 as follows.

Please **ADD** new claims 19-20 as follows.

1. (CURRENTLY AMENDED) A system analysis apparatus for analyzing a system containing one or a plurality of programs, comprising:  
means for examining, as an access state of a data item in said program, an access state type and a number of accesses ~~of aof the~~ data item in said program; and  
an analyzer for analyzing degree of association relationships between processes and data items based on said access ~~state-type~~ type and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.
2. (ORIGINAL) The system analysis apparatus of claim 1, wherein said analyzer comprises:  
means for quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating ~~the~~ quantified data item access state data.
3. (ORIGINAL) The system analysis apparatus of claim 2, wherein said analyzer further comprises:  
means for correcting said quantified data item access state data according to an external requirement including a system design requirement.
4. (ORIGINAL) The system analysis apparatus of claim 3, wherein said analyzer further comprises:  
means for collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

5. (PREVIOUSLY PRESENTED) The system analysis apparatus of claim 4, wherein said analyzer further comprises:

means for presenting at least one of a partitioning pattern of the data items and a division pattern of the processes, using the quantified data item access state data and the collected processes.

6. (PREVIOUSLY PRESENTED) The system analysis apparatus of claim 5, further comprising:

means for presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.

7. (CURRENTLY AMENDED) A system analyzing method, for analyzing a system containing one or a plurality of programs, comprising:

examining, as an access state of a data item in said program, an access state type and a number of accesses ~~of aof the~~ data item in the program; and

analyzing degree of association relationships between processes and data items based on said access state type and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.

8. (CURRENTLY AMENDED) The system analysis method of claim 7, wherein said analyzing comprises:

quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating ~~the~~ quantified data item access state data.

9. (PREVIOUSLY PRESENTED) The system analysis method of claim 8, wherein said analyzing further comprises:

correcting said quantified data item access state data according to an external requirement including a system design requirement.

10. (PREVIOUSLY PRESENTED) The system analysis method of claim 9, wherein said analyzing further comprises:

collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

11. (PREVIOUSLY PRESENTED) The system analysis method of claim 10, wherein said analyzing further comprises:

presenting at least one of a partitioning pattern of the data items and a division pattern of the processes, using the quantified data item access state data and the collected processes.

12. (PREVIOUSLY PRESENTED) The system analysis method of claim 11, further comprising:

presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.

13. (CURRENTLY AMENDED) A storage medium for storing an analysis program for analyzing a system containing one or a plurality of programs, said analysis program causing a computer to execute operations comprising:

examining, as an access state of a data item in said program, an access state type and a number of accesses ~~of aof the~~ data item in the program; and

analyzing degree of association relationships between processes and data items based on said access state type and the number of accesses of the data item, each said process being at least one of a program, a set of programs and a program section.

14. (CURRENTLY AMENDED) The storage medium of claim 13, wherein said analyzing comprises:

quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating ~~the~~ quantified data item access state data.

15. (PREVIOUSLY PRESENTED) The storage medium of claim 14, wherein said analyzing further comprises:

correcting said quantified data item access state data according to an external requirement including a system design requirement.

16. (PREVIOUSLY PRESENTED) The storage medium of claim 15, wherein said analyzing further comprises:

collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

17. (PREVIOUSLY PRESENTED) The storage medium of claim 16, wherein said analyzing further comprises:

presenting at least one of a partitioning pattern of the data items and division pattern of the processes, using the quantified data item access state data and the collected processes.

18. (PREVIOUSLY PRESENTED) The storage medium of claim 16, wherein said analysis program causes said computer to further execute operations comprising:

presenting a process interface in the presented division pattern of the processes, displaying distinction between public data and private data, said public data being external data used as interfaces to processes in an other division, and private data being internal data used only within processes in a division.

19. (NEW) A system analysis apparatus analyzing a system containing at least one program, comprising:

a programmed computer processor controlling the system analysis apparatus according to a process comprising:

examining, as an access state of a data item in the least one program, an access type and a number of accesses of the data item in the at least one program, and

analyzing degree of association relationships between processes of the at least one program and the data item based on said access type and the number of accesses of the data item, each process of the at least one program being at least one of a program, a set of programs and a program section, of the at least one program.

20. (NEW) The system of claim 19, wherein the controlling of the system analysis apparatus by the programmed computer processor, further comprises:

quantifying the types of accesses to the data item and the number of accesses, which are included in said data item access state, and generating quantified data item access state data.